



FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
 (Use several sheets if necessary)

Sheet 1 of 19

ATTORNEY DOCKET NO.	SERIAL NO.
5074A-000001/COB	10/649,214
APPLICANT	
Jascob et al.	
FILING DATE	GROUP
August 26, 2003	3737

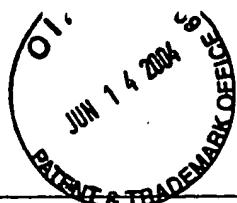
U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	PS	Re. 35,025	8/1995	Anderton		
2.		Re. 35,816	6/1998	Schulz		
3.		1,576,781	03/1926	Phillips		
4.		1,735,726	11/1929	Bornhardt		
5.		2,407,845	09/1946	Nemeyer		
6.		2,650,588	09/1953	Drew		
7.		2,697,433	12/1954	Sehnder		
8.		3,016,899	01/1962	Stenvall		
9.		3,017,887	01/1962	Heyer		
10.		3,061,936	11/1962	Dobbeleer		
11.		3,073,310	01/1963	Mocarski		
12.		3,294,083	12/1966	Alderson		
13.		3,367,326	02/1968	Frazier		
14.		3,439,256	04/15/1969	Kähne et al.		
15.		3,577,160	05/1971	White		
16.		3,702,935	11/1972	Carey et al.		
17.		3,704,707	12/1972	Halloran		
18.		3,941,127	03/1976	Froning		
19.		4,037,592	07/1977	Kronner		
20.	PS	4,052,620	10/1977	Brunnett		
21.	PS	4,117,337	09/26/1978	Staats		

Examiner: Daniel Sorel

Date Considered: 26 OCT 2006

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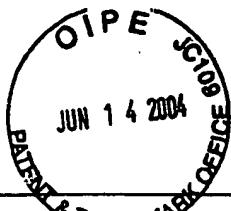
U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.	PS	4,202,349	05/1980	Jones		
23.	↑	4,328,813	05/1982	Ray		
24.		4,358,856	11/09/1982	Stivender et al.		
25.		4,368,536	01/1983	Pfeiler		
26.		4,403,321	09/1983	DiMarco		
27.		4,418,422	11/1983	Richter et al.		
28.		4,485,815	12/1984	Amplatz		
29.		4,543,959	10/01/1985	Sepponen		
30.		4,548,208	10/22/1985	Niemi		
31.		4,584,577	04/22/1986	Temple		
32.		4,621,628	11/1986	Bludermann		
33.		4,625,718	12/1986	Olerud et al.		
34.		4,645,343	02/1987	Stockdale et al.		
35.		4,651,732	03/24/1987	Frederick		
36.		4,653,509	03/1987	Oloff et al.		
37.		4,673,352	06/1987	Hansen		
38.		4,706,665	11/17/1987	Gouda		
39.		4,719,419	01/12/1988	Dawley		
40.	↓	4,722,056	01/26/1988	Roberts et al.		
41.	PS	4,722,336	02/1988	Kim et al.		

Examiner: Paul Sene

Date Considered: 26 OCT 2006

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.	PS	4,727,565	02/23/1988	Ericson		
43.	↑	4,737,921	04/12/1988	Goldwasser et al.		
44.		4,750,487	06/1988	Zanetti		
45.		4,771,787	09/20/1988	Wurster et al.		
46.		4,791,934	12/20/1988	Brunnett		
47.		4,793,355	12/1988	Crum et al.		
48.		4,797,907	01/1989	Anderton		
49.		4,803,976	02/1989	Frigg et al.		
50.		4,821,206	04/11/1989	Arora		
51.		4,845,771	07/1989	Wislocki et al.		
52.		4,862,893	09/05/1989	Martinelli		
53.		4,889,526	12/26/1989	Rauscher et al.		
54.		4,923,459	05/1990	Nambu		
55.		4,931,056	06/1990	Ghajar et al.		
56.		4,945,914	08/1990	Allen		
57.		4,951,653	08/1990	Fry et al.		
58.		5,013,317	05/1991	Cole et al.		
59.		5,027,818	07/02/1991	Bova et al.		
60.	↓	5,030,196	07/09/1991	Inoue		
61.	PS	5,030,222	07/1991	Calandruccio et al.		

Examiner: <u>Paula S. S.</u>	Date Considered: 26 OCT 2006
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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
62.	PS	5,031,203	07/1991	Trecha		
63.	VA	5,057,095	10/15/1991	Fabian		
64.		5,079,699	01/07/1992	Tuy et al.		
65.		5,094,241	03/10/1992	Allen		
66.		5,097,839	03/24/1992	Allen		
67.		5,107,839	04/28/1992	Houdek et al.		
68.		5,107,843	04/1992	Aarnio, et al.		
69.		5,107,862	04/28/1992	Fabian et al		
70.		5,109,194	04/28/1992	Cantaloube		
71.		5,119,817	06/09/1992	Allen		
72.		5,142,930	09/01/1992	Allen et al.		
73.		5,160,337	11/1992	Cosman		
74.		5,178,164	01/12/1993	Allen		
75.		5,178,621	01/1993	Cook et al.		
76.		5,186,174	02/1993	Schlondorff et al.		
77.		5,188,126	02/23/1993	Fabian et al		
78.		5,190,059	03/02/1993	Fabian et al		
79.		5,197,965	03/1993	Cherry et al.		
80.	↓	5,211,176	05/1993	Ishiguro et al.		
81.	PS	5,212,720	05/1993	Landi et al.		

Examiner: *Paula S. Sauer*

Date Considered: *26 Oct 2006*

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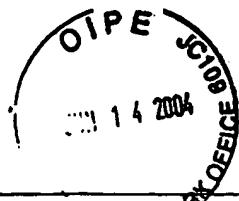
U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
82.	PS	5,219,351	06/1993	Teubner et al.		
83.	↑	5,233,990	08/1993	Barnea		
84.		5,237,996	08/24/1993	Waldman et al.		
85.		5,251,127	10/1993	Raab		
86.		5,291,199	03/01/1994	Overman et al		
87.		5,297,549	03/29/1994	Beatty et al.		
88.		5,305,091	04/1994	Gelbart et al.		
89.		5,305,203	04/1994	Raab		
90.		5,320,111	06/1994	Livingston		
91.		5,325,728	07/05/1994	Zimmerman et al.		
92.		5,329,944	07/19/1994	Fabian et al		
93.		5,333,168	07/1994	Fernandes et al.		
94.		5,353,800	10/11/1994	Pohndorf et al		
95.		5,353,807	10/11/1994	DeMarco		
96.		5,377,678	01/03/1995	Dumoulin et al.		
97.		5,385,146	01/31/1995	Goldreyer		
98.		5,385,148	01/31/1995	Lesh et al.		
99.		5,394,457	02/1995	Leibinger et al.		
100.	↓	5,397,329	03/1995	Allen		
101.	PS	5,399,146	03/21/1995	Nowacki et al.		

Examiner: *Paul S. Geller*

Date Considered: 26 OCT 2006

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
102.	PS	5,400,384	03/1995	Fernandes et al.		
103.		5,423,334	06/13/1995	Jordan		
104.		5,426,683	06/1995	O'Farrell, Jr., et al.		
105.		5,426,687	06/1995	Goodall et al.		
106.		5,427,097	06/1995	Depp		
107.		5,433,198	07/18/1995	Desai		
108.		5,444,756	08/1995	Pai et al.		
109.		5,446,548	08/1995	Gerig et al.		
110.		5,447,154	09/05/1995	Cinquin et al.		
111.		5,448,610	09/1995	Yamamoto et al.		
112.		5,458,718	10/17/1995	Venkitachalam		
113.		5,464,446	11/1995	Dreessen et al.		
114.		5,478,341	12/1995	Cook et al.		
115.		5,478,343	12/1995	Ritter		
116.		5,483,961	01/16/1996	Kelly et al.		
117.		5,485,849	01/23/1996	Panescu et al.		
118.		5,487,391	01/30/1996	Panescu		
119.		5,487,757	01/30/1996	Truckai et al.		
120.	↓	5,490,196	02/06/1996	Rudich et al.		
121.	PS	5,494,034	02/27/1996	Schlondorff et al.		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
122.	PS	5,503,416	04/1996	Aoki et al.		
123.		5,515,160	05/07/1996	Schulz et al.		
124.		5,531,227	07/02/1996	Schneider		
125.		5,531,520	07/02/1996	Grimson et al.		
126.		5,546,940	08/20/1996	Panescu et al..		
127.		5,546,949	08/20/1996	Frazin et al.		
128.		5,546,951	08/20/1996	Ben-Haim		
129.		5,551,429	09/1996	Fitzpatrick et al.		
130.		5,573,533	11/12/1996	Strul		
131.		5,575,794	11/1996	Walus et al.		
132.		5,583,909	12/1996	Hanover		
133.		5,595,193	01/1997	Walus et al.		
134.		5,596,228	01/1997	Anderton et al.		
135.		5,617,462	04/1997	Spratt		
136.		5,619,261	04/1997	Anderton		
137.		5,627,873	05/1997	Hanover et al.		
138.		5,628,315	05/13/1997	Vilsmeier et al.		
139.		5,636,644	06/10/1997	Hart et al		
140.	PS	5,638,819	06/17/1997	Manwaring et al.		
141.	PS	5,642,395	06/1997	Anderton et al.		

Examiner: Paul J. Schell.

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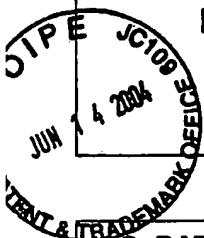
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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
142.	PS	5,643,268	07/01/1997	Vilsmeier et al.		
143.		5,664,001	09/1997	Tachibana et al.		
144.		5,674,296	10/07/1997	Bryan et al.		
145.		5,681,260	10/28/1997	Ueda et al		
146.		5,682,886	11/04/1997	Delp et al.		
147.		5,690,108	11/1997	Chakeres		
148.		5,695,501	12/09/1997	Carol et al.		
149.		5,697,377	12/1997	Wittkampf		
150.		5,702,406	12/30/1997	Vilsmeier et al.		
151.		5,715,822	02/10/1998	Watkins		
152.		5,715,836	02/10/1998	Kliegis et al.		
153.		5,718,241	02/17/1998	Ben-Haim et al.		
154.		5,727,552	03/17/1998	Ryan		
155.		5,727,553	03/1998	Saad		
156.		5,735,278	04/07/1998	Hoult et al.		
157.		5,741,214	04/21/1998	Ouchi et al.		
158.		5,742,394	04/1998	Hansen		
159.		5,748,767	05/1998	Raab		
160.	↓	5,749,835	05/12/1998	Glantz		
161.	PS	5,755,725	05/26/1998	Druais		

Examiner: Daryl Sahl

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
162.	PS	5,769,789	06/23/1998	Wang et al.		
163.	↑	5,769,861	06/23/1998	Vilsmeier		
164.		5,772,594	06/1998	Barrick		
165.		5,775,322	07/07/1998	Silverstein et al		
166.		5,782,765	07/21/1998	Jonkman		
167.		5,792,055	08/11/1998	McKinnon		
168.		5,795,294	08/18/1998	Luber et al.		
169.		5,797,849	08/1998	Vesely et al.		
170.		5,799,055	08/1998	Peshkin et al.		
171.		5,799,099	08/1998	Wang et al.		
172.		5,800,535	09/01/1998	Howard, III		
173.		5,802,719	09/1998	O'Farrell, Jr., et al.		
174.		5,807,252	9/15/1998	Hassfeld et al.		
175.		5,810,735	09/22/1998	Halperin et al		
176.		5,823,192	10/1998	Kalend et al.		
177.		5,823,958	10/20/1998	Truppe		
178.		5,828,725	10/27/1998	Levinson		
179.		5,834,759	11/10/1998	Glossop		
180.	↓	5,843,076	12/1/1998	Webster, Jr. et al.		
181.	PS	5,848,967	12/15/1998	Cosman		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
182.	PS	5,865,846	02/02/1999	Bryan et al.		
183.		5,868,675	02/09/1999	Henrion et al.		
184.		5,871,455	09/1999	Ueno		
185.		5,871,487	02/16/1999	Warner et al.		
186.		5,884,410	03/1999	Prinz		
187.		5,891,157	04/06/1999	Day et al.		
188.		5,904,691	05/18/1999	Barnett et al.		
189.		5,907,395	05/1999	Schultz et al.		
190.		5,921,992	07/13/1999	Costales et al.		
191.		5,923,727	07/1999	Navab		
192.		5,928,248	7/27/1999	Acker		
193.		5,938,603	8/17/1999	Ponzi		
194.		5,938,694	08/17/1999	Jaraczewski et al.		
195.		5,947,981	09/1999	Cosman		
196.		5,951,475	09/14/1999	Gueziec et al.		
197.		5,954,796	10/12/1999	Imran		
198.		5,968,047	10/10/1999	Reed		
199.		5,971,997	10/1999	Guthrie et al.		
200.	PS	5,980,535	11/1999	Barnett et al.		
201.	PS	5,983,126	11/09/1999	Wittkampf		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
202.	P8	5,987,960	11/1999	Messner et al.		
203.	A	5,999,837	12/1999	Messner et al.		
204.		5,999,840	12/1999	Grimson et al.		
205.		6,001,130	12/14/1999	Bryan et al.		
206.		6,006,126	12/1999	Cosman		
207.		6,016,439	01/2000	Acker		
208.		6,050,724	04/2000	Schmitz et al.		
209.		6,063,022	5/16/2000	Ben-Haim		
210.		6,073,043	06/2000	Schneider		
211.		6,118,845	09/12/2000	Simon et al.		
212.		6,131,396	10/17/2000	Duerr et al.		
213.		6,139,183	10/2000	Graumann		
214.		6,149,592	11/2000	Yanof et al.		
215.		6,156,067	12/05/2000	Bryan et al.		
216.		6,167,296	12/2000	Shahidi		
217.		6,175,756	1/16/2001	Ferre et al.		
218.		6,223,067	04/24/2001	Vilsmeier		
219.		6,273,896	08/14/2001	Franck et al.		
220.	↓	6,298,262	10/02/2001	Franck et al.		
221.	P8	6,332,089	12/2001	Acker et al.		

Examiner: *Douglas S. Seal*

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222.	PS	6,341,231	1/22/2002	Ferre et al.		
223.		6,351,659	02/26/2002	Vilsmeier		
224.		6,381,485	04/30/2002	Hunter et al.		
225.		6,424,856	07/23/2002	Vilsmeier et al.		
226.		6,428,547	08/06/2002	Vilsmeier et al.		
227.		6,434,415	08/13/2002	Foley et al.		
228.		6,445,943	9/3/2002	Ferre et al.		
229.		6,470,207	10/22/2002	Simon et al.		
230.		6,474,341	11/05/2002	Hunter et al.		
231.		6,498,944	12/24/2002	Ben-Haim et al		
232.		6,499,488	12/31/2002	Hunter et al.		
233.		6,527,443	03/04/2003	Vilsmeier et al.		
234.		6,551,325	04/22/2003	Neubauer et al.		
235.		6,584,174	06/24/2003	Schubert et al.		
236.		6,609,022	08/19/2003	Vilsmeier et al.		
237.		6,611,700	08/26/2003	Vilsmeier et al.		
238.		6,640,128	10/28/2003	Vilsmeier et al.		
239.	PS	6,694,162	02/17/2004	Hartlep		
240.	PS	6,701,179	03/02/2004	Martinelli et al.		

Examiner: <i>Daniel S. Schubert</i>	Date Considered: 26 OCT 2006
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FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
1.	PS	WO 01/30437 A1	05/03/2001	WIPO		
2.		WO 99/60939	12/1999	WIPO		
3.		WO 98/38908	09/11/1998	PCT		
4.		WO 94/24933	11/10/1994	PCT		
5.		WO 94/23647	10/27/1994	PCT		
6.		WO 96/11624	04/25/1996	PCT		
7.		WO 88/09151	12/01/1988	PCT		Abstract
8.		WO 98/08554	03/1998	WIPO		
9.		WO 89/05123	06/1989	PCT		
10.		WO 91/04711	04/18/1991	PCT		Abstract
11.		WO 91/03982	04/1991	WIPO		
12.		WO 92/03090	03/05/1992	PCT		
13.		EP 0 319 844 A1	01/1988	EPO		
14.		EP 0 581 704 B1	07/27/1993	EPO		U.S. Equiv
15.		EP 0 651 968 A1	08/1990	EPO		
16.		0350996 A1	01/1990	EPO		
17.		964149	03/1975	Canada		
18.	↓	2417970	02/20/1979	France		U.S. Equiv
19.	PS	JP 2765738		Japan		

Examiner: *Ps* Date Considered: 24 OCT 2006

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FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
20.	PS	DE 3042343 A1	06/1982	Germany		X
21.		DE 3831278 A1	03/1989	Germany		U.S. Equiv
22.	↓	DE 4233978 C1	04/1994	Germany		U.S. Equiv
23.	PS	DE 10085137		Germany		U.S. Equiv

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1.	PS	"Prestige Cervical Disc System Surgical Technique", 12 pgs.
2.		Adams et al., "Orientation Aid for Head and Neck Surgeons," Innov. Tech. Biol. Med., Vol. 13, No. 4, 1992, pp. 409-424.
3.		Barrick et al., "Prophylactic Intramedullary Fixation of the Tibia for Stress Fracture in a Professional Athlete," Journal of Orthopaedic Trauma, Vol. 6, No. 2, pp. 241-244 (1992).
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8.	↓	Brack et al., "Accurate X-ray Based Navigation in Computer-Assisted Orthopedic Surgery," CAR '98, pp. 716-722.
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Examiner: *Paul Sohl* Date Considered: *26 OCT 2006*

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13.		Cinquin et al., "Computer Assisted Medical Interventions," IEEE Engineering in Medicine and Biology, May/June 1995, pp. 254-263.
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16.		Feldmar et al., "3D-2D Projective Registration of Free-Form Curves and Surfaces," Rapport de recherche (Inria Sophia Antipolis), 1994, pages 1-44.
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19.		Foley, "The StealthStation: Three-Dimensional Image-Interactive Guidance for the Spine Surgeon," Spinal Frontiers, April 1996, pp. 7-9
20.		Gildenberg et al., "Calculation of Stereotactic Coordinates from the Computed Tomographic Scan," Neurosurgery, Vol. 10, No. 5, May 1982, pp. 580-586.
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Examiner: <i>David Sene</i>	Date Considered: 26 OCT 2006
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27.		Hatch, "Reference-Display System for the Integration of CT Scanning and the Operating Microscope," Thesis, Thayer School of Engineering, October 1984, pp. 1-189.	
28.		Heilbrun et al., "Preliminary experience with Brown-Roberts-Wells (BRW) computerized tomography stereotaxic guidance system," Journal of Neurosurgery, Vol. 59, August 1983, pp. 217-222.	
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33.		Hounsfield, "Computerized transverse axial scanning (tomography): Part 1. Description of system," British Journal of Radiology, Vol. 46, No. 552, December 1973, pp. 1016-1022.	
34.		Jacques et al., "A Computerized Microstereotactic Method to Approach, 3-Dimensionally Reconstruct, Remove and Adjuvantly Treat Small CNS Lesions," Applied Neurophysiology, Vol. 43, 1980, pp. 176-182.	
35.		Jacques et al., "Computerized three-dimensional stereotaxic removal of small central nervous system lesion in patients," J. Neurosurg., Vol. 53, December 1980, pp. 816-820.	
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37.	PS	Kelly et al., "Computer-assisted stereotaxic laser resection of intra-axial brain neoplasms," Journal of Neurosurgery, Vol. 64, March 1986, pp. 427-439.	

Examiner: *Paul J. Jascob* Date Considered: 26 OCT 2006

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38.	PS	Kelly et al., "Precision Resection of Intra-Axial CNS Lesions by CT-Based Stereotactic Craniotomy and Computer Monitored CO ₂ Laser," <i>Acta Neurochirurgica</i> , Vol. 68, 1983, pp. 1-9.
39.		Laitinen et al., "An Adapter for Computed Tomography-Guided, Stereotaxis," <i>Surg. Neurol.</i> , 1985, pp. 559-566.
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41.		Lavallee et al., "Matching 3-D Smooth Surfaces with their 2-D Projections using 3-D Distance Maps," <i>SPIE</i> , Vol. 1570, <i>Geometric Methods in Computer Vision</i> , 1991, pp. 322-336.
42.		Lavallee et al., "Computer Assisted Driving of a Needle into the Brain," <i>Proceedings of the International Symposium CAR '89, Computer Assisted Radiology</i> , 1989, pp. 416-420.
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45.		Lavallee et al., "Image guided operating robot: a clinical application in stereotactic neurosurgery," <i>Proceedings of the 1992 IEEE Internation Conference on Robotics and Automation</i> , May 1992, pp. 618-624.
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48.		Lavallee, "VI Adaption de la Methodologie a Quelques Applications Cliniques," <i>Chapitre VI</i> , pp. 133-148.
49.	↓	Leksell et al., "Stereotaxis and Tomography - A Technical Note," <i>ACTA Neurochirurgica</i> , Vol. 52, 1980, pp. 1-7.
50.	PS	Lemieux et al., "A Patient-to-Computed-Tomography Image Registration Method Based on Digitally Reconstructed Radiographs," <i>Med. Phys.</i> 21 (11), November 1994, pp. 1749-1760.

Examiner: *Parul Seel*

Date Considered: 26 OCT 2006

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51.	PS	Levin et al., "The Brain: Integrated Three-dimensional Display of MR and PET Images," Radiology, Vol. 172, No. 3, September 1989, pp. 783-789.	
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54.		Pelizzari et al., "Accurate Three-Dimensional Registration of CT, PET, and/or MR Images of the Brain," Journal of Computer Assisted Tomography, January/February 1989, pp. 20-26.	
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57.		Phillips et al., "Image Guided Orthopaedic Surgery Design and Analysis," Trans Inst. MC, Vol. 17, No. 5, 1995, pp. 251-264.	
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60.		Roberts et al., "A frameless stereotaxic integration of computerized tomographic imaging and the operating microscope," J. Neurosurg., Vol. 65, October 1986, pp. 545-549.	
61.		Rosenbaum et al., "Computerized Tomography Guided Stereotaxis: A New Approach," Applied Neurophysiology, Vol. 43, No. 3-5, 1980, pp. 172-173.	
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Examiner: *Part 1* Date Considered: *26 OCT 2006*

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65.	PS	Shelden et al., "Development of a computerized microsteroetaxic method for localization and removal of minute CNS lesions under direct 3-D vision," J. Neurosurg., Vol. 52, 1980, pp. 21-27.
66.	↑	Smith et al., "Computer Methods for Improved Diagnostic Image Display Applied to Stereotactic Neurosurgery," Automedical, Vol. 14, 1992, pp. 371-382 (4 unnumbered pages).
67.		Smith et al., "The Neurostation™--A Highly Accurate, Minimally Invasive Solution to Frameless Stereotactic Neurosurgery," Computerized Medical Imaging and Graphics, Vol. 18, July - August 1994, pp. 247-256.
68.		The Laitinen Stereotactic System, E2-E6.
69.		Viant et al., "A Computer Assisted Orthopaedic System for Distal Locking of Intramedullary Nails," Proc. of MediMEC '95, Bristol, 1995, pp. 86-91.
70.		Watanabe et al., "Three-Dimensional Digitizer (Neuronavigator): New Equipment for Computed Tomography-Guided Stereotaxic Surgery," Surgical Neurology, Vol. 27, No. 6, June 1987, pp. 543-547.
71.		Watanabe, "Neuronavigator," Igaku-no-Ayumi, Vol. 137, No. 6, May 10, 1986, pp. 1-4.
72.		Weese et al., "An Approach to 2D/3D Registration of a Vertebra in 2D X-ray Fluoroscopies with 3D CT Images," pp. 119-128.
73.		Germano, "Instrumentation, Technique and Technology", Neurosurgery, Vol. 37, No. 2, August, 1995, pgs. 348-350
74.	↓	Merloz, et al., "Computer Assisted Spine Surgery", Clinical Assisted Spine Surgery, No. 337, pgs. 86-96
75.	PS	Hatch, et al., "Reference-Display System for the Integration of CT Scanning and the Operating Microscope", Proceedings of the Eleventh Annual Northeast Bioengineering Conference, March 14-15, 1985, pgs. 252-254

Examiner: Paul J. Smeal

Date Considered: 26 OCT 2006

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	PS	10/252,258	09/2002	Martinelli, et al.		
2.	↑	3,674,014	07/1972	Tillander		
3.		3,868,565	02/1975	Kuipers		
4.		4,054,881	10/1977	Frederick H. Raab		
5.		4,173,228	11/1979	Van Steenwyk, et al.		
6.		4,262,306	04/1981	Karlheinz Renner		
7.		4,287,809	09/1981	Egli, et al.		
8.		4,314,251	02/1982	Raab		
9.		4,317,078	02/1982	Weed, et al.		
10.		4,339,953	07/1982	Iwasaki		
11.		4,396,885	08/1983	Constant		
12.		4,422,041	12/1983	Lienau		
13.		4,431,005	02/1984	McCormick		
14.		4,572,198	02/1986	Codrington		
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16.		4,618,978	10/1986	Cosman		
17.		4,642,786	02/1987	Hansen		
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19.		4,737,794	04/1988	Jones		
20.		4,821,731	04/1989	Martinelli		
21.	PS	4,836,778	06/1989	Baumrind, et al.		

Examiner:	<i>David J. Schlesinger</i>	Date Considered: 26 OCT 2006
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22.	PS	4,849,692	07/1989	Blood		
23.		4,905,698	03/1990	Strohl, Jr., et al.		
24.		4,945,305	07/1990	Blood		
25.		4,977,655	12/1990	Martinelli		
26.		4,989,608	02/1991	Ratner		
27.		4,991,579	02/1991	Allen		
28.		5,002,058	03/1991	Martinelli		
29.		5,005,592	04/1991	Cartmell		
30.		5,016,639	05/1991	Allen		
31.		5,042,486	08/1991	Pfeiler, et al.		
32.		5,050,608	09/1991	Watanabe, et al.		
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34.		5,059,789	10/1991	Salcudean		
35.		5,086,401	02/1992	Glassman, et al.		
36.		5,099,845	03/1992	Besz, et al.		
37.		5,105,829	04/1992	Fabian, et al.		
38.		5,152,288	10/1992	Hoenig, et al.		
39.		5,161,536	11/1992	Vilkomerson, et al.		
40.	PS	5,187,475	02/1993	Wagener, et al.		
41.	PS	5,197,476	03/1993	Nowacki, et al.		

Examiner: Paul Szel

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43.		5,198,877	03/1993	Schulz		
44.		5,211,164	05/1993	Allen		
45.		5,211,165	05/1993	Dumoulin, et al.		
46.		5,214,615	05/1993	Bauer		
47.		5,222,499	06/1993	Allen, et al.		
48.		5,228,442	07/1993	Imran		
49.		5,249,581	10/1993	Horbal, et al.		
50.		5,251,635	10/1993	Dumoulin, et al.		
51.		5,253,647	10/1993	Takahashi, et al.		
52.		5,255,680	10/1993	Darrow, et al.		
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54.		5,265,610	11/1993	Darrow, et al.		
55.		5,265,611	11/1993	Hoenig, et al.		
56.		5,269,759	12/1993	Hernandez, et al.		
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58.		5,273,025	12/1993	Sakiyama, et al.		
59.		5,274,551	12/1993	Corby, Jr.		
60.		5,279,309	01/1994	Taylor, et al.		
61.	PS	5,295,483	03/1994	Nowacki, et al.		

Examiner:

Paul Soll

Date Considered: 26 OCT 2006

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
62.	PS	5,299,254	03/1994	Dancer, et al.		
63.		5,299,288	03/1994	Glassman, et al.		
64.		5,309,913	05/1994	Kormas, et al.		
65.		5,315,630	05/1994	Sturm, et al.		
66.		5,316,024	05/1994	Hirschi, et al.		
67.		5,318,025	06/1994	Dumoulin, et al.		
68.		5,325,873	07/1994	Hirschi, et al.		
69.		5,353,795	10/1994	Souza, et al.		
70.		5,368,030	11/1994	Zinreich, et al.		
71.		5,375,596	12/1994	Twiss, et al.		
72.		5,377,678	01/1995	Dumoulin, et al.		
73.		5,383,454	01/1995	Bucholz		
74.		5,386,828	02/1995	Owens, et al.		
75.		5,389,101	02/1995	Heilbrun, et al.		
76.		5,391,199	02/1995	Ben-Haim		
77.		5,402,801	04/1995	Taylor		
78.		5,408,409	04/1995	Glassman, et al.		
79.		5,417,210	05/1995	Funda, et al.		
80.	Y	5,419,325	05/1995	Dumoulin, et al.		
81.	PS	5,425,367	06/1995	Shapiro, et al.		

Examiner: Daniel S. Seid

Date Considered: 26 OCT 2004

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
82.	PS	5,425,382	06/1995	Golden, et al.		
83.		5,429,132	07/1995	Guy, et al.		
84.		5,437,277	08/1995	Dumoulin, et al.		
85.		5,443,066	08/1995	Dumoulin, et al.		
86.		5,443,489	08/1995	Ben-Haim		
87.		5,445,144	08/1995	Wodicka, et al.		
88.		5,445,150	08/1995	Dumoulin, et al.		
89.		5,445,166	08/1995	Taylor		
90.		5,453,686	09/1995	Anderson		
91.		5,456,718	10/1995	Szymaitis		
92.		5,480,422	01/1996	Ben-Haim		
93.		5,483,951	01/1996	Kelly, et al.		
94.		5,487,729	01/1996	Avellanet, et al.		
95.		5,513,637	05/1996	Twiss, et al.		
96.		5,517,990	05/1996	Kalfas, et al.		
97.		5,542,938	08/1996	Avellanet, et al.		
98.		5,546,951	08/1996	Ben-Haim		
99.		5,558,091	09/1996	Acker, et al.		
100.	PS	5,568,809	10/1996	Ben-Haim		
101.	PS	5,572,999	11/1996	Funda, et al.		

Examiner: Patil Seal Date Considered: 24 OCT 2006

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U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
102.	PS	5,588,430	12/1996	Bova		
103.		5,592,939	01/1997	Martinelli		
104.		5,600,330	02/1997	Blood		
105.		5,603,318	02/1997	Heilbrun, et al.		
106.		5,617,857	04/1997	Chader, et al.		
107.		5,622,169	04/1997	Golden, et al.		
108.		5,622,170	04/1997	Schulz		
109.		5,630,431	05/1997	Taylor		
110.		5,640,170	06/1997	Anderson		
111.		5,645,065	07/1997	Shapiro, et al.		
112.		5,647,361	07/1997	Damadian		
113.		5,662,111	09/1997	Cosman		
114.		5,676,673	10/1997	Ferre		
115.		5,694,945	12/1997	Ben-Haim		
116.		5,695,500	12/1997	Taylor		
117.		5,711,299	01/1998	Manwaring, et al.		
118.		5,713,946	02/1998	Ben-Haim		
119.		5,729,129	03/1998	Acker		
120.	PS	5,730,129	03/1998	Darrow, et al.		
121.	PS	5,730,130	03/1998	Fitzpatrick, et al.		

Examiner: Paul SelleDate Considered: 26 OCT 2006

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U.S. PATENT DOCUMENTS						
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122.	PS	5,732,703	03/1998	Kalfas, et al.		
123.		5,738,096	04/1998	Ben-Haim		
124.		5,740,808	04/1998	Panescu, et al.		
125.		5,744,953	04/1998	Hansen		
126.		5,749,362	05/1998	Funda, et al.		
127.		5,752,513	05/1998	Acker, et al.		
128.		5,758,667	06/1998	Slettenmark		
129.		5,762,064	06/1998	Polvani		
130.		5,767,669	06/1998	Hansen, et al.		
131.		5,776,064	07/1998	Kalfas, et al.		
132.		5,787,886	08/1998	Kelly, et al.		
133.		5,800,352	09/1998	Ferre, et al.		
134.		5,803,089	09/1998	Ferre, et al.		
135.		5,810,728	09/1998	Kuhn		
136.		5,829,444	11/1998	Ferre, et al.		
137.		5,831,260	11/1998	Hansen		
138.		5,833,608	11/1998	Acker		
139.		5,836,954	11/1998	Heilbrun, et al.		
140.	PS	5,840,024	11/1998	Taniguchi, et al.		
141.	PS	5,840,025	11/1998	Ben-Haim		

Examiner: Daniel Sorel Date Considered: 26 OCT 2006

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
142.	PS	5,851,183	12/1998	Bucholz		
143.		5,868,674	02/1999	Glowinski		
144.		5,871,445	02/1999	Bucholz		
145.		5,873,822	02/1999	Ferre, et al.		
146.		5,891,034	04/1999	Bucholz		
147.		5,913,820	06/1999	Bladen, et al.		
148.		5,920,395	07/1999	Schulz		
149.		5,950,629	09/1999	Taylor, et al.		
150.		5,954,647	09/1999	Bova, et al.		
151.		5,967,980	10/1999	Ferre, et al.		
152.		5,976,156	11/1999	Taylor		
153.		5,987,349	11/1999	Schulz		
154.		6,019,725	02/2000	Vesely, et al.		
155.		6,024,695	02/2000	Taylor		
156.		6,059,718	05/2000	Taniguchi, et al.		
157.		6,104,944	08/2000	Martinelli		
158.		6,122,538	09/2000	Sliwa, et al.		
159.		6,161,032	12/2000	Acker		
160.	PS	6,172,499	01/2001	Ashe		
161.	PS	6,201,987	03/2001	Dumoulin		

Examiner: *Paul Sorel*

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U.S. PATENT DOCUMENTS

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162.	PS	6,233,476	05/2001	Strommer, et al.		
163.	↓	6,246,231	06/2001	Ashe		
164.	↓	6,437,567	08/2002	Schenck, et al.		
165.	PS	6,493,573	12/2002	Martinelli, et al.		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	PS	WO 91/07726	05/1991	PCT			
2.	↓	WO 92/06645	04/1992	PCT			
3.	↓	WO 94/04938	03/1994	PCT			
4.	↓	EP 0419729	09/1988	EPO			
5.	↓	EP 0655138	08/1993	EPO			
6.	PS	EP 0894473	01/1995	EPO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.	PS	Edward C. Benzel, et al. "Magnetic Source Imaging: A Review of the MagneS System of Biomagnetic Technologies Incorporate," Neurosurgery, Vol. 33, No. 2, Pages 252-259 (August 1993)

Examiner: *Patricia S. Szel*

Date Considered: 26 OCT 2006

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